DATA FUSION CSC CSCI   -   CECILIA CHEN

OVERVIEW

Data Fusion involves computation using constants, FD measurement values, health values or other fusion values. The Data Fusion CSC provides the capability to perform Data Fusion processing on specified FDs received at the DDP, based on algorithms defined for the associated FDs.

ACTIONS	ACTIONEE	DUE DATE	STATUS

• The capability to manipulate Data Fusion Algorithms and Function Designators needs to be defined with respect to build impacts and operational scenarios.
Reference: 1.2.1 Data Fusion CSC Ground Rules,
Item 6 - Fusion calculations/formulas may contain user-changeable coefficient.
Item 7 - Fusion FDs and Fusion algorithms cannot be created in a real-time environment.
  They must be edited/created prior to TCID build.
Item 16 - The user may alter user-changeable coefficient at real-time as needed to change
  the data fusion calculation but not the formula.
	R. Dawson	6/6/97	In Work

• How are the Data Fusion Function Designators shared/modified and controlled?	R. Dawson	6/6/97	In Work
• How do we associate Fusion FDs and algorithms with the responsible system?	R. Dawson	Design Panel 3	In Work
• Resolve the missing interface to System Viewers.	C. Chen	Design Panel 3	In Work
• DBSAFE and Data Fusion interface is missing from Data Fusion and DBSAFE requirements document.	C. Chen	Design Panel 3	In Work

DATA HEALTH CSC CSCI   -   CECILIA CHEN

OVERVIEW

Data Health is the term applied to the integrity and validity of a Function Designator (FD) value which is being distributed from a CLCS subsystem. The health of an FD may represent the state of a hardware component, a communication path, resultant data from a Fusion operation, or application data. The status of the Data Health bit, as valid or invalid, determines the usability of the data.

The Data Health CSC is the software component that applies health status to each FD processed by the DDP, and provides the health status to applications at the HCI and CCP via Data Distribution.

ACTIONS	**ACTIONEE**	**DUE DATE**	**STATUS**

No action required.

DATA RECORDING, ARCHIVAL & RETRIEVAL CSCI   -   EARL FOSTER

OVERVIEW

The Data Recording/Archival and Retrieval CSCI resides in the Shuttle Data Center (SDC) and provides the capability to record and retrieve change data (type 2 packet payloads) and message data (any other packet payload types). This differentiation is made to reflect that change data will be indexed by FDID and the rest is not. Access to the data is not restricted and requests may come from many sources. The following diagram depicts the relationship between the SDC, RTPS and the applications using the SDC as a data source.

ACTIONS	ACTIONEE	DUE DATE	STATUS
• Retrieval capabilities for Redstone packets need to be defined.	T. Beever	Design Panel 3	In Work

COMMON GATEWAY SERVICES CSCI   -   JOSE MARIN

OVERVIEW

The Gateway Common Services CSCI provides the essential functions to make any CLCS Gateway operational. It is resident in the Gateway Control Processor (GCP). The Gateway Common Services CSCI is composed of multiple concurrent tasks that perform individual functions in order to support all the resources in the Gateway.

ACTIONS	ACTIONEE	DUE DATE	STATUS
No action required.			